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Application
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IDS Flag Clearance for Application 10726939



Content	Mailroom Date	Entry Number	IDS Review	Reviewer
M844	08-29-2005	14	<input checked="" type="checkbox"/>	10-13-2005 11:27:21 MLe

UPDATE

EAST Search History

Updated Search
10/726,939

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1640	(714/38).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 14:45
L2	11	(710/313.ccls.) and (@ad > "20050630")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 14:52
L3	4	(717/178.ccls.) and (@ad > "20050630")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 14:53
L4	13	(717/173,174,177,178.CCLS.) and (@ad >="20050630")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:02
L5	55725	(universal adj serial adj bus) or USB	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:21
L6	159510	(download\$6 or load\$6) near3 (software or application or program)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:14
L7	1013	L5 same L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:16
L8	5120	(reset\$4 or reassign\$4 or reload\$4) adj register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:23

EAST Search History

L9	13	7 same L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:16
L10	221	5 near2 register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:22
L11	38	7 and 8 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:23
L12	2385	(reset\$4 or reassign\$4 or reload\$4) adj3 (RAM or flash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:25
L13	30	11 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:25
L14	17	(maintain\$4 or keep\$4 or hold\$4) with 5 with transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:27
L15	1	13 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:48
L16	73	(rao-srinivas\$ or scott-clifton\$ or rayapudi-laxmi\$ or prenoveau-richard\$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:57

EAST Search History

L17.	31	7 and 8 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:58
L18	0	17 and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:58
L19	2	17 and ("717"/\$).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:59
S1	40913	(universal adj serial adj bus) or USB	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 14:09
S2	222	S1 adj transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:28
S4	7050	S1 adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:28
S5	3639	source adj3 software	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:29
S6	5	S2 and S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:33

EAST Search History

S7	4845	(reset\$4 or reassign\$4 or reload\$4) adj register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:13
S8	5	S7 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:35
S9	138074	(download\$6 or load\$6) near3 (software or application or program)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:37
S10	22	S2 and S4 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:37
S11	6	S10 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:43
S12	1	"5901332".PN.	USPAT; USOCR	OR	ON	2005/06/30 15:41
S13	1	"5875351".PN.	USPAT; USOCR	OR	ON	2005/06/30 15:41
S14	1	"5841471".PN.	USPAT; USOCR	OR	ON	2005/06/30 15:42
S15	2	(maintain\$4 or keep\$4 or hold\$4) with S7 with S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:27
S16	809	(maintain\$4 or keep\$4 or hold\$4) with S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:47

EAST Search History

S17	170	(maintain\$4 or keep\$4 or hold\$4) with S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:48
S18	2	S16 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:53
S19	2	S17 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:53
S20	222	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:53
S21	7	S20 and S4 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 12:04
S22	2	(maintain\$4 or keep\$4 or hold\$4) same S1 same S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:57
S23	22	S1 same S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 16:06
S24	35	S1 and S9 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 16:08

EAST Search History

S25	11	S24 not (S23 or S10 or S8 or S6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 16:08
S26	8	((("20040098596") or ("20040034785") or ("20030188113") or ("20030065752")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/01 13:33
S27	943	(717/173,174,177,178.CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:02
S28	40913	(universal adj serial adj bus) or USB	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:35
S29	222	S28 adj transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:35
S30	7050	S28 adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:35
S31	4845	(reset\$4 or reassign\$4 or reload\$4) adj register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:35
S32	1	S29 AND S30 AND S31 AND S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:38

EAST Search History

S33	1	S27 AND S29 AND S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:38
S34	1	S27 AND S29 AND S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:38
S35	2	S27 AND S28 AND S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:39
S36	139	S27 AND S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:40
S37	25	S27 AND S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:40
S38	3	S27 AND S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 13:40
S39	311	(717/178.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 16:16
S40	362	(710/313.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 14:46

EAST Search History

S41	1520	(714/38.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 16:24
S42	45459	(universal adj serial adj bus) or USB	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 16:23
S43	144571	(download\$6 or load\$6) near3 (software or application or program)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 16:23
S44	769	S42 same S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 16:23
S45	7	S44 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 16:23
S46	23	S44 and ("714"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 16:24

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L3	4	(717/178.ccls.) and (@ad > "20050630")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 14:53
L4	13	(717/173,174,177,178.CCLS.) and (@ad >="20050630")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:02
L5	55725	(universal adj serial adj bus) or USB	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:21
L6	159510	(download\$6 or load\$6) near3 (software or application or program)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:14
L7	1013	L5 same L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:16
L8	5120	(reset\$4 or reassign\$4 or reload\$4) adj register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:23

EAST Search History

L9	13	7 same L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:16
L10	221	5 near2 register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:22
L11	38	7 and 8 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:23
L12	2385	(reset\$4 or reassign\$4 or reload\$4) adj3 (RAM or flash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:25
L13	30	11 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:25
L14	17	(maintain\$4 or keep\$4 or hold\$4) with 5 with transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:27
L15	1	13 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:48
L16	73	(rao-srinivas\$ or scott-clifton\$ or rayapudi-laxmi\$ or prenoveau-richard\$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:57

EAST Search History

L17	31	7 and 8 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:58
L18	0	17 and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:58
L19	2	17 and ("717"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:00

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- #1 ((downloading<in>metadata) <and>
(usb<in>metadata))<and> (reset flash<in>metadata)
- #2 ((downloading<in>metadata) <and>
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- #3 ((downloading<in>metadata) <and>
(software<in>metadata))<and> (usb<in>metadata)
- #4 ((downloading<in>metadata) <and>
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181 [Columns: Surfing the net for software engineering notes](#)



Mark Doernhoefer

September 2002 **ACM SIGSOFT Software Engineering Notes**, Volume 27 Issue 5

Publisher: ACM Press

Full text available: [pdf\(1.67 MB\)](#)Additional Information: [full citation](#)

182 [Synthesis and Design Tools: A software development tool chain for a reconfigurable processor](#)



Alberto La Rosa, Luciano Lavagno, Claudio Passerone

November 2001 **Proceedings of the 2001 international conference on Compilers, architecture, and synthesis for embedded systems**

Publisher: ACM Press

Full text available: [pdf\(79.88 KB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

183 [Programming languages: Compiler-assisted demand paging for embedded systems with flash memory](#)



Chanik Park, Junghee Lim, Kiwon Kwon, Jaejin Lee, Sang Lyul Min

September 2004 **Proceedings of the 4th ACM international conference on Embedded software EMSOFT '04**

Publisher: ACM Press

Full text available: [pdf\(392.66 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we propose a novel, application specific demand paging mechanism for low-end embedded systems with flash memory as secondary storage. These systems are not equipped with virtual memory. A small memory space called an execution buffer is allocated to page an application. An application-specific page manager manages the buffer. The manager is generated by a compiler post-pass and combined with the application image. Our compiler post-pass analyzes the ELF executable image of an appl ...

Keywords: SRAM, clustering, compilers, embedded systems, flash memory, heterogeneous memory, paging, post-pass optimization